AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A printer comprising:

a print head for making reciprocating motion transversely with respect to a recording medium to thereby perform both forward printing and backward printing on the recording medium;

a misalignment correction unit for correcting misalignment between the forward printing and the backward printing;

~~a temperature detection unit for detecting an ambient temperature;~~

a setting unit for setting a correction reference value for the misalignment correction unit;

a first temperature detection unit for detecting an ambient temperature of the printer as a first temperature when setting the correction reference value by the setting unit;

a second temperature detection unit for detecting an ambient temperature of the printer as a second temperature when performing the printing by the printer;

a correction reference value storage unit for storing the correction reference value set by the setting unit ~~and the ambient temperature detected by the temperature~~

~~detection unit when the correction reference value is set;~~ ~~and~~

a first temperature storage unit for storing the first temperature detected by the first temperature detection unit; and,

a calculation unit for calculating a misalignment correction value by revising the correction reference value read out from the correction reference value storage unit on the basis of a result of comparison between the ~~ambient~~ first temperature ~~stored in the~~ read out from the first temperature storage unit and ~~an ambient~~ the second temperature ~~at the time of printing~~ detected by the second temperature detection unit;

wherein the misalignment correction unit corrects misalignment on the basis of the misalignment correction value calculated by the calculation unit.

Claim 2 (currently amended): The printer as claimed in claim 1, wherein the correction reference value storage unit stores a temperature subrange table on which consecutive numbers for indicating temperature subranges respectively are assigned to the temperature subranges obtained by dividing an available temperature range of the printer on the basis of the amount of misalignment at each temperature in such a manner that a temperature subrange larger in the amount of misalignment is narrower than a

temperature subrange smaller in the amount of misalignment; and

the calculation unit refers to the temperature subrange table, decides a temperature subrange including the ~~ambient~~ second temperature detected by the second temperature detection unit and calculates the misalignment correction value by revising the correction reference value on the basis of a difference between a number stored in the first temperature storage unit and indicating a temperature subrange including the ~~ambient~~ first temperature ~~detected at the time of setting of the correction reference value~~ and a number indicating a temperature subrange including ~~a present ambient temperature detected by the temperature detection unit~~ the second temperature.

Claim 3 (currently amended): A print control method for correcting misalignment between forward printing and backward printing when a print head makes reciprocating motion transversely with respect to a recording medium to thereby perform both the forward printing and the backward printing on the recording medium, the method comprising the steps of:

providing a setting mode for setting [[the]]a correction reference value for correcting the misalignment;

storing the set correction reference value and an ambient temperature of a printer as a first temperature at the time of setting of the correction reference value; and

calculating a misalignment correction value by revising the correction reference value on the basis of a result of comparison between the ~~ambient~~ first temperature ~~at the time of setting of the correction reference value~~ and an ambient temperature of the printer at the time of printing as a second temperature to thereby correct misalignment on the basis of the calculated misalignment correction value.